WHAT IS CLAIMED IS:

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comprises:

1 1. A method for static load balancing, comprising: 2 for each data path in a network adapter team, computing a load balancing value; 3 determining a maximum value of the computed load balancing values; and selecting a data path with the maximum value for use in routing data. 4 1 2. The method of claim 1, further comprising: 2 receiving a list of the data paths in the network adapter team, a total number of 3 bytes transferred by the network adapter team, a load balancing share of each data path, 4 and a number of bytes transferred on each data path. 1 3. The method of claim 2, wherein computing the load balancing value for a 2 data path further comprises: 3 dividing the total number of bytes by the number of bytes transferred on the data 4 path to generate a first value; and 5 multiplying the first value by the load balancing share of the data path. 1 4. The method of claim 2, wherein the load balancing share is provided by a 2 user. 1 5. A method for dynamic load balancing, comprising: 2 computing an actual load balancing share for each data path in a network adapter 3 team; and 4 for each data path, 5 determining whether a load balancing share for the data path is less than 6 the actual load balancing share for the data path; and 7 when the load balancing share is less than the actual load balancing share, 8 adjusting the load balancing share of the data path. 1 The method of claim 5, wherein adjusting the load balancing share further 6.

3	determining whether a difference between the load balancing share and the actua			
4	load balancing share is less than a change threshold; and			
5	when the difference between the load balancing share and the actual load			
6	balancing share is less than the change threshold,			
7	reducing the load balancing share of the data path; and			
8	increasing the load balancing share of another data path.			
1	7. The method of claim 6, wherein the load balancing share of the data path			
2	in the network adapter team with a lowest difference load balancing value is increased,			
3	and wherein, if multiple data paths have the lowest difference load balancing value, a			
4	data path from the multiple data paths with a highest actual load balancing share is			
5	increased.			
1	8. The method of claim 5, further comprising:			
2	computing a difference load balancing value for each data path in the network			
3	adapter team.			
1	9. The method of claim 8, wherein the actual load balancing share and the			
2	difference load balancing value are computed when a timer fires.			
1	10. The method of claim 5, further comprising:			
2	receiving a timer interval value, a change threshold value, and a load balancing			
3	change percent value.			
1	11. The method of claim 5, further comprising:			
2	receiving a list of data paths in the network adapter team, a total number of bytes			
3	transferred by the network adapter team in a last time frame, a load balancing share of			
4	each data path in the last time frame, and a number of bytes transferred on each data path			
5	in the last time frame.			
1	12 A method for failover processing comprising:			

2	determining whether a command may be routed through a first network adapter;			
3	routing the command through the first network adapter in response to determini			
4	that the command may be routed through the first network adapter; and			
5	routing the command through a second network adapter in response to			
6	determining that the command may not be routed through the first network adapter.			
1	13. The method of claim 12, wherein the determination of whether a			
2	command may be routed through a first network adapter determines whether an			
3	indication that the first network adapter failed was received.			
1	14. The method of claim 12, wherein routing the command further comprises:			
2	forwarding the command to a low level driver with an indication of the selected			
3	network adapter.			
1	15. The method of claim 12, further comprising:			
2	performing load balancing between the first network adapter and the second			
3	network adapter when both network adapters are available.			
1	16. A system for static load balancing, comprising:			
2	multiple data paths forming a network adapter team; and			
3	circuitry, in a load balancing component that is coupled to a bus, operable to:			
4	for each data path in a network adapter team, compute a load balancing			
5	value;			
6	determine a maximum value of the computed load balancing values; and			
7	select a data path with the maximum value for use in routing data.			
1	17. The system of claim 16, wherein the circuitry is operable to:			
2	receive a list of the data paths in the network adapter team, a total number of			
3	bytes transferred by the network adapter team, a load balancing share of each data path,			
4	and a number of bytes transferred on each data path.			

ı	18. The system of claim 17, wherein the circuitry operable to compute the			
2	load balancing value for a data path is operable to:			
3	divide the total number of bytes by the number of bytes transferred on the data			
4	path to generate a first value; and			
5 multiply the first value by the load balancing share of the data path.				
1	19. The system of claim 17, wherein the load balancing share is provided by a			
2	user.			
.1	20. A system for dynamic load balancing, comprising:			
2	multiple data paths forming a network adapter team; and			
3	circuitry, in a load balancing component that is coupled to a bus, operable to:			
4	compute an actual load balancing share for each data path in a network			
5	adapter team; and			
6	for each data path,			
7	determine whether a load balancing share for the data path is less			
8	than the actual load balancing share for the data path; and			
9	when the load balancing share is less than the actual load balancing			
10	share, adjust the load balancing share of the data path.			
1	21. The system of claim 20, wherein the circuitry operable to adjust the load			
2	balancing share is operable to:			
3	determine whether a difference between the load balancing share and the actual			
4	load balancing share is less than a change threshold; and			
5	when the difference between the load balancing share and the actual load			
6	balancing share is less than the change threshold,			
7	reduce the load balancing share of the data path; and			
8	increase the load balancing share of another data path.			
1	22. The system of claim 21, wherein the load balancing share of the data path			
2	in the network adapter team with a lowest difference load balancing value is increased,			

3	and wherein, if multiple data paths have the lowest difference load balancing value, a		
4	data path from the multiple data paths with a highest actual load balancing share is		
5	increased.		
1	23. The system of claim 20, wherein the circuitry is operable to:		
2	compute a difference load balancing value for each data path in the network		
3	adapter team.		
1	24. The system of claim 23, wherein the actual load balancing share and the		
1	, and the second control of the second contr		
2	difference load balancing value are computed when a timer fires.		
1	25. The system of claim 20, wherein the circuitry is operable to:		
2	receive a timer interval value, a change threshold value, and a load balancing		
3	change percent value.		
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1	26. The system of claim 20, wherein the circuitry is operable to:		
2	receive a list of data paths in the network adapter team, a total number of bytes		
3	transferred by the network adapter team in a last time frame, a load balancing share of		
4	each data path in the last time frame, and a number of bytes transferred on each data path		
5	in the last time frame.		
1	27. A system for failover processing, comprising:		
2	a first network adapter;		
3	a second network adapter; and		
4	circuitry, in a failover component coupled to a bus, operable to:		
5	determine whether a command may be routed through a first network		
6	adapter;		
7	route the command through the first network adapter in response to		
8	determining that the command may be routed through the first network adapter; and		
9	route the command through a second network adapter in response to		
0	determining that the command may not be routed through the first network adapter.		

1	28. T	he system of claim 27, wherein the circuitry operable to determine	
2	whether the command may be routed through the first network adapter is operable to		
3	determine whether an indication that the first network adapter failed was received.		
1	29. T	he system of claim 27, wherein the circuitry to route the command is	
2	operable to:		
3	forward the command to a low level driver with an indication of the selected		
4	network adapter.		
1	30. T	ne system of claim 27, wherein the circuitry is operable to:	
2	perform load balancing between the first network adapter and the second network		
3	adapter when both network adapters are available.		
1	31. A	n article of manufacture for static load balancing, wherein the article of	
2	manufacture is operable to:		
3	for each o	lata path in a network adapter team, compute a load balancing value;	
4	determine a maximum value of the computed load balancing values; and		
5	select a data path with the maximum value for use in routing data.		
1	32. Ti	ne article of manufacture of claim 31, wherein the article of manufacture	
2	is operable to:		
3	receive a	list of the data paths in the network adapter team, a total number of	
4	bytes transferred by the network adapter team, a load balancing share of each data path,		
5	and a number of	bytes transferred on each data path.	
1	33. Tł	ne article of manufacture of claim 32, wherein the article of manufacture	
2	operable to compute the load balancing value for a data path is operable to:		
3		divide the total number of bytes by the number of bytes transferred on the data	
4	path to generate a first value; and		
5	multiply the first value by the load balancing share of the data path.		

I	34. The article of manufacture of claim 32, wherein the load balancing share			
2	is provided by a user.			
1	35. An article of manufacture for dynamic load balancing, wherein the article			
2	of manufacture is operable to:			
3	compute an actual load balancing share for each data path in a network adapter			
4	team; and			
5	for each data path,			
6	determine whether a load balancing share for the data path is less than th			
7	actual load balancing share for the data path; and			
8	when the load balancing share is less than the actual load balancing share			
9	adjust the load balancing share of the data path.			
1	36. The article of manufacture of claim 35, wherein the article of manufacture			
2	operable to adjust the load balancing share is operable to:			
3	determine whether a difference between the load balancing share and the actual			
4	load balancing share is less than a change threshold; and			
5	when the difference between the load balancing share and the actual load			
6	balancing share is less than the change threshold,			
7	reduce the load balancing share of the data path; and			
8	increase the load balancing share of another data path.			
1	37. The article of manufacture of claim 36, wherein the load balancing share			
2	of the data path in the network adapter team with a lowest difference load balancing			
3	value is increased, and wherein, if multiple data paths have the lowest difference load			
4	balancing value, a data path from the multiple data paths with a highest actual load			
5	balancing share is increased.			
1	38. The article of manufacture of claim 35, wherein the article of manufactur			
2	is operable to:			

3	compute a difference load balancing value for each data path in the network		
4	adapter team.		
1	39.	The article of manufacture of claim 38, wherein the actual load balancing	
2	share and the difference load balancing value are computed when a timer fires.		
1	40.	The article of manufacture of claim 35, wherein the article of manufacture	
2			
3	is operable to:		
	receive a timer interval value, a change threshold value, and a load balancing		
4	change perce	nt value.	
1	41.	The article of manufacture of claim 35, wherein the article of manufacture	
2	is operable to:		
3	receive a list of data paths in the network adapter team, a total number of bytes		
4	transferred by the network adapter team in a last time frame, a load balancing share of		
5	each data path in the last time frame, and a number of bytes transferred on each data pat		
6	in the last tim	ne frame.	
1	42.	An article of manufacture for failover processing, wherein the article of	
2	manufacture is operable to:		
3	determine whether a command may be routed through a first network adapter;		
4	route the command through the first network adapter in response to determining		
5	that the command may be routed through the first network adapter; and		
6	route the command through a second network adapter in response to determining		
7	that the command may not be routed through the first network adapter.		
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1	43.	The article of manufacture of claim 42, wherein the article of manufacture	
2	operable to determine whether a command may be routed through a first network adapte		
3	is operable to determine whether an indication that the first network adapter failed was		
4	received.		

The article of manufacture of claim 42, wherein the article of manufacture . 1 44. 2 operable to route the command is operable to: forward the command to a low level driver with an indication of the selected 3 network adapter. 4 1 45. The article of manufacture of claim 42, wherein the article of manufacture 2 is operable to: 3 perform load balancing between the first network adapter and the second network 4 adapter when both network adapters are available.